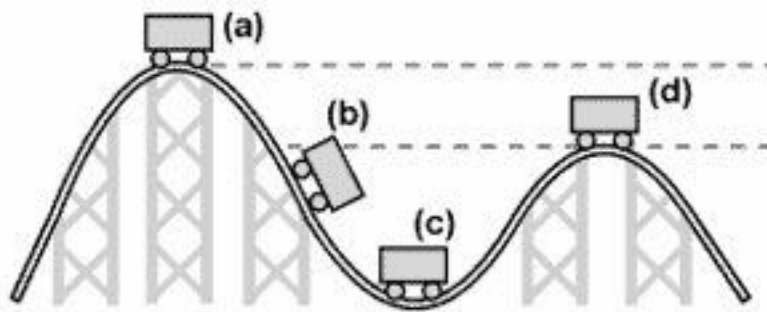


Coasting on Energy Assessment

Name: _____ Date: _____

Group: _____ Section: _____

Let's review what we have learned about types of energy from building our model roller coaster. It is important to understand how energy is involved in life and how it is used in everything around us. Your task will be to describe the types of energy involved in the roller coaster in the image below as well as the one you built.



1) Describe where you would find the following terms on the points labeled on the coaster and explain how you know. Potential energy, Kinetic energy, Maximum Potential energy, Maximum Kinetic Energy. (20 Points)

2) Describe how your roller coaster used potential energy, kinetic energy, transformation of energy, gravitational potential energy, and mechanical energy. (20 points)

3) How did friction and gravity play a role in your roller coaster? (10 Points)

When you are finished writing this lab out, re-read the lab and edit it for any mistakes or errors that you find. Be sure to answer the following questions:

- Did I complete the assignment?
- Does the composition sound right? Is it easy to read?
- Did I use all of the keywords involved appropriately?

If you are confident that you have completed the assignment to the best of your ability, then you may pass it in to the assignment tray.